(19) World Intellectual Property Organization

International Bureau



(43) International Publication Date 22 May 2003 (22.05.2003)

PCT

(10) International Publication Number WO 2003/042487 A3

(51) International Patent Classification7:

E21B 43/10

(21) International Application Number:

PCT/US2002/036267

(22) International Filing Date:

12 November 2002 (12.11.2002)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

(71) Applicant (for all designated States except US): ENVENTURE GLOBAL TECHNLOGY [US/US]; 16200 A Park Row, Houston, TX 77084 (US).

(72) Inventors; and

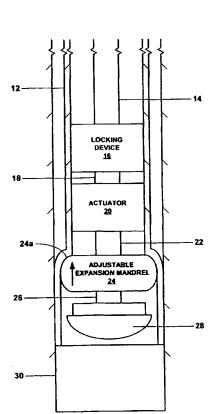
- (75) Inventors/Applicants (for US only): RING, Lev [RU/US]; 14126 Heatherhill Place, Houston, TX 77077 (US). BRISCO, David, Paul [US/US]; 405 Westridge Drive, Duncan, OK 73533 (US). WATSON, Brock, Wayne [US/US]; 2535 Marsh Lane #1004, Carrollton, TX 75006 (US). WADDELL, Kevin, K. [US/US]; 11007 Sprucedale Court, Houston, TX 77070 (US).
- (74) Agents: MATTINGLY, Todd et al.; Haynes and Boone, LLP, Suite 4300, 1000 Louisiana Street, Houston, TX 77002-5012 (US).
- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK,

[Continued on next page]

(54) Title: MONO DIAMETER WELLBORE CASING

10

WO 2003/042487 A3 ||||||||||||



(57) Abstract: An apparatus (10) and method for forming a mono diameter wellbore casing (12).

BEST AVAILABLE COPY

SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW

(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Declaration under Rule 4.17:

— of inventorship (Rule 4.17(iv)) for US only

Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments
- (88) Date of publication of the international search report: 1 July 2004

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

International application No. INTERNATIONAL SEARCH REPORT PCT/US02/36267 CLASSIFICATION OF SUBJECT MATTER IPC(7) : E21B 43/10 US CL : 166/207,277,382 According to International Patent Classification (IPC) or to both national classification and IPC FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) U.S.: 166/121,182,202,207,212,216,217,242.8,277,382,387 Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) East: (expan\$4 with (tub\$5 pip\$3 casing\$1 conduit\$1)) DOCUMENTS CONSIDERED TO BE RELEVANT Relevant to claim No. Citation of document, with indication, where appropriate, of the relevant passages Category * US 3,785,193 A (KINLEY et al) 15 January 1974 (15.01.1974), see entire document, 1,4,19,21 Х especially Figs. 1-3. 7,8 A US 4,168,747 A (YOUMANS) 25 September 1979 (25.09.1979), see entire document, especially Fig. 1. US 5,957,195 A (BAILEY et al) 28 September 1999 (28.09.1999), see entire document, Α especially Figs. 2-3. See patent family annex. Further documents are listed in the continuation of Box C. later document published after the international filling date or priority date and not in conflict with the application but cited to understand the Special categories of cited documents: principle or theory underlying the invention document defining the general state of the art which is not considered to be "A" ent of particular relevance; the claimed invention cannot be considered navel or cannot be considered to involve an inventive step earlier application or patent published on or after the international filing date when the document is taken alone ·L· ent which may throw doubts on priority claim(s) or which is cited to document of particular relevance; the claimed invention cannot be establish the publication date of another citation or other special reason (as considered to involve an inventive step when the document is combined with one or more other such documents, such combination specified) document referring to an oral disclosure, use, exhibition or other means being obvious to a person skilled in the art **"0"** •&• document member of the same patent family document published prior to the international filing date but later than the priority date claimed Date of mailing of the international search report Date of the actual completion of the international search 21 MAY 2004 02 January 2003 (02.01.2003)

Zakiya N. Walkek

Telephone No. (703) 308-2168

Form PCT/ISA/210 (second sheet) (July 1998)

Name and mailing address of the ISA/US Commissioner of Patents and Trademarks

Washington, D.C. 20231

Box PCT

Facsimile No. (703)305-3230